

IN THE CLAIMS

1. (Currently Amended) An information processing device comprising:

acquisition means for acquiring data for pages of a site;

extraction means for extracting ~~a word~~ words appearing within said pages using said data for said pages acquired by said acquisition means;

counting means for counting a number of times said ~~word~~ words extracted by said extraction means ~~appears within said pages~~ appear within each page;

first generating means for analyzing a link structure among ~~between~~ said pages acquired by said acquisition means and for generating a first weighting corresponding to pages which are in link relationships, the generating of said first weighting involving the use of at least one count value which is a number of appearances of a word as counted by said counting means ~~first weightings for said pages in link relationships using a count value counted by said counting means~~;

second generating means for generating a second weighting corresponding to pages which are in a link relationship with a predetermined page of said pages, the generating of said second weighting involving the use of said first weighting ~~second weightings for pages in link relationships with a prescribed page using said first weightings generated by said first generating means~~;

third generating means for generating at least one of sibling document frequency (SDF) data and coparent document frequency (CDF) data using said second weighting ~~weightings~~ generated by said second generating means; and

calculating means for calculating a ~~prescribed page model~~ extension value through page model extension processing based on at least one of inverse sibling document frequency (ISDF) and

inverse coparent document frequency (ICDF) using said data generated by said third generating means.

2. (Currently Amended) The information processing device as claimed in claim 1, wherein said calculating means comprises first calculating means and further comprising second calculating means for calculating a relevance between predetermined ~~prescribed~~ pages of said acquired pages using said page model extension ~~prescribed~~ value calculated by said first calculating means.

3. (Currently Amended) The information processing device as claimed in claim 1, wherein

when said second generating means takes said predetermined ~~prescribed~~ page to be a link source and calculates said second weighting ~~weightings~~ for link destination pages linked ~~to~~ from said link source, said third generating means generates said SDF data, and said calculating means calculates said page model extension ~~prescribed~~ value using page model extension processing based on said ISDF,

when said second generating means takes said predetermined ~~prescribed~~ page to be a link destination and calculates said second weighting ~~weightings~~ for link source pages linking to said link destination, said third generating means generates said CDF data, and said calculating means calculates said page model extension ~~prescribed~~ value using page model extension processing based on said ICDF, and

when said second generating means calculates both said second weighting ~~weightings~~ in which said predetermined ~~prescribed~~ page is taken to be a link source and which is for link destination pages linked ~~to~~ from said link source, as well as said second weighting ~~weightings~~ in which said predetermined ~~prescribed~~ page is taken to be a link destination and which is

for link source pages linking to said link destination, said third generating means generates both said SDF data and said CDF data, and said calculating means calculates said page model extension ~~prescribed~~ value using page model extension processing based on said ISDF and said ICDF.

4. (Currently Amended) The information processing device as claimed in claim 1, wherein said calculating means calculates said page model extension ~~prescribed~~ value using the number of times a predetermined ~~prescribed~~ word appears in said predetermined ~~prescribed~~ page and said data generated by said third generating means corresponding to pages containing said predetermined ~~prescribed~~ word of pages in a link relationship, which is generated by said second generating means, with said predetermined ~~prescribed~~ page.

5. (Currently Amended) The information processing device as claimed in claim 1, further comprising:

storage means for storing said relevance calculated by said second generating means, and

providing means for referring to said relevance stored in said storage means and providing information for pages having high relevance with respect to said predetermined ~~prescribed~~ page when a request is made for provision of information for pages related to said predetermined ~~prescribed~~ page.

6. (Currently Amended) The information processing device as claimed in claim 5, wherein said providing means provides information for advertising relating to said predetermined ~~prescribed~~ page when providing said information.

7. (Currently Amended) An information processing method, comprising:

an acquisition step of acquiring data for pages of a site;

an extraction step of extracting ~~a word~~ words appearing within said pages using said data for said pages acquired in said acquisition step;

a counting step of counting a number of times said ~~word~~ words extracted in said extraction step ~~appears within said pages~~ appear within each page;

a first generating step of analyzing a link structure among ~~between~~ said pages acquired in said acquisition step and of generating a first weighting corresponding to pages which are in link relationships, the generating of said first weighting involving the use of at least one count value which is a number of appearances of a word as counted by said counting means ~~first weightings for said pages in link relationships using a count value from said counting step~~;

a second generating step of generating a second weighting corresponding to pages which are in a link relationship with a predetermined page of said pages, the generating of said second weighting involving the use of said first weighting ~~second weightings for pages in link relationships with a prescribed page using said first weightings generated in said first generating step~~;

a third generating step of generating at least one of sibling document frequency (SDF) data and coparent document frequency (CDF) data using said second weighting ~~weightings~~ generated in said second generating step;

a first calculating step of calculating a page model extension ~~prescribed~~ value through page model extension processing based on at least one of inverse sibling document frequency (ISDF) and inverse coparent document frequency (ICDF) using said data generated in said third generating step; and

a second calculating step of calculating a relevance between predetermined ~~prescribed~~ pages of said acquired pages

using said page model extension ~~prescribed~~ value calculated in said first calculating step.

8. (Currently Amended) A recording medium, recorded with a computer-readable program, the program being executable to perform a method comprising:

an acquisition step of acquiring data for pages of a site;

an extraction step of extracting ~~a word~~ words appearing within said pages using said data for said pages acquired in said acquisition step;

a counting step of counting a number of times said words ~~word~~ extracted in said extraction step ~~appears within said pages~~ appear within each page;

a first generating step of analyzing a link structure among ~~between~~ said pages acquired in said acquisition step and of generating a first weighting corresponding to pages which are in link relationships, the generating of said first weighting involving the use of at least one count value which is a number of appearances of a word as counted by said counting means ~~first weightings for said pages in link relationships using a count value from said counting step~~;

a second generating step of generating a second weighting corresponding to pages which are in a link relationship with a predetermined page of said pages, the generating of said second weighting involving the use of said first weighting ~~second weightings for pages in link relationships with a prescribed page using said first weightings generated in said first generating step~~;

a third generating step of generating at least one of sibling document frequency (SDF) data and coparent document frequency (CDF) data using said second weighting ~~weightings~~ generated in said second generating step;

a first calculating step of calculating a page model extension ~~prescribed~~ value through page model extension processing based on at least one of inverse sibling document frequency (ISDF) and inverse coparent document frequency (ICDF) using said data generated in said third generating step; and

a second calculating step of calculating a relevance between predetermined ~~prescribed~~ pages of said acquired pages using said page model extension ~~prescribed~~ value calculated in said first calculating step.

9. (Canceled)